

May 11, 2023

Docket No.: 52-026

ND-22-0231
10 CFR 52.99(c)(1)U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 2.2.01.02a [Index Number 91]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.2.01.02a [Index Number 91]. This ITAAC verifies that the Containment System (CNS) components listed in the Combined License (COL) Appendix C, Table 2.2.1-1 and Table 2.2.1-2 that are identified as American Society of Mechanical Engineers (ASME) Code Section III were designed and constructed in accordance with applicable requirements. The closure process for this ITAAC is based on the guidance described in Nuclear Energy Institute (NEI) 08-01, *Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52*, which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,

Jamie M. Coleman
Regulatory Affairs Director Vogtle 3 & 4Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion for ITAAC 2.2.01.02a [Index Number 91]

JMC/TL/sfr

U.S. Nuclear Regulatory Commission

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cc: Regional Administrator, Region II
 Director, Office of Nuclear Reactor Regulation (NRR)
 Director, Vogtle Project Office NRR
 Senior Resident Inspector – Vogtle 3 & 4

**Southern Nuclear Operating Company
ND-22-0231
Enclosure**

**Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.2.01.02a [Index Number 91]**

ITAAC Statement

Design Commitment:

2.a) The components identified in Table 2.2.1-1 as ASME Code Section III are designed and constructed in accordance with ASME Code Section III requirements.

2.b) The piping identified in Table 2.2.1-2 as ASME Code Section III is designed and constructed in accordance with ASME Code Section III requirements.

3.a) Pressure boundary welds in components identified in Table 2.2.1-1 as ASME Code Section III meet ASME Code Section III requirements.

3.b) Pressure boundary welds in piping identified in Table 2.2.1-2 as ASME Code Section III meet ASME Code Section III requirements.

4.a) The components identified in Table 2.2.1-1 as ASME Code Section III retain their pressure boundary integrity at their design pressure.

4.b) The piping identified in Table 2.2.1-2 as ASME Code Section III retains its pressure boundary integrity at its design pressure.

Inspections, Tests, Analyses:

Inspection will be conducted of the as-built components and piping as documented in the ASME design reports.

Inspection of the as-built pressure boundary welds will be performed in accordance with the ASME Code Section III.

i) A hydrostatic or pressure test will be performed on the components required by the ASME Code Section III to be tested.

A hydrostatic or pressure test will be performed on the piping required by the ASME Code Section III to be pressure tested.

Acceptance Criteria:

The ASME Code Section III design reports exist for the as-built components and piping identified in Tables 2.2.1-1 and 2.2.1-2 as ASME Code Section III.

A report exists and concludes that the ASME Code Section III requirements are met for non-destructive examination of pressure boundary welds.

i) A report exists and concludes that the results of the pressure test of the components identified in Table 2.2.1-1 as ASME Code Section III conform with the requirements of the ASME Code Section III.

A report exists and concludes that the results of the pressure test of the piping identified in Table 2.2.1-2 as ASME Code Section III conform with the requirements of the ASME Code Section III.

ITAAC Determination Basis

This ITAAC requires inspections, tests, and analyses be performed and documented to ensure the Containment System (CNS) components and piping listed in the Combined License (COL) Appendix C, Table 2.2.1-1 (Attachment A) and Table 2.2.1-2 (Attachment B) that are identified as American Society of Mechanical Engineers (ASME) Code Section III were designed and constructed in accordance with applicable requirements.

2.a and 2.b) The ASME Code Section III design reports exist for the as-built components and piping identified in Tables 2.2.1-1 and 2.2.1-2 as ASME Code Section III.

Each component listed in Table 2.2.1-1 as ASME Code Section III was fabricated in accordance with the VEGP Updated Final Safety Analysis Report (UFSAR) and the ASME Code Section III requirements. The ASME Code Section III certified Design Reports for these components exist and document that the as-built components conform to the approved design details. The ASME Section III Design Report for each component was documented in the component's completed ASME Section III Code Data Report. The individual component ASME Section III Code Data Reports are documented on the ASME Section III N-5 Code Data Report(s) for the applicable piping system (References 1 through 11, 26).

The as-built piping listed in Table 2.2.1-2 including the components listed in Table 2.2.1-1 as ASME Code Section III, were subjected to a reconciliation process (Reference 12), which verifies that the as-built piping were analyzed for applicable loads (e.g. stress reports) and for compliance with all design specification and Code provisions. Design reconciliation of the as-built systems, including installed components, validates that construction completion, including field changes and any nonconforming condition dispositions, were consistent with and bounded by the approved design. All applicable fabrication, installation and testing records, as well as, those for the related Quality Assurance (QA) verification/inspection activities, which confirmed adequate construction in compliance with the ASME Code Section III and design provisions, are referenced in the N-5 data report and/or its sub-tier references.

The applicable ASME Section III N-5 Code Data Report(s), which include the location of the certified Design Reports for all the components listed in Table 2.2.1-1 (Attachment A) and piping listed in Table 2.2.1-2 (Attachment B) as ASME Code Section III, exist and conclude that these installed components were designed and constructed (including their installation within the applicable as-built piping system) in accordance with the ASME Code (1998 Edition, 2000 Addenda and 1989 Edition, 1989 Addenda), Section III requirements as applicable, as described in UFSAR subsection 5.2.1 (Reference 13). The N-5 Code Data Reports for the piping system(s) containing the components listed in the Table 2.2.1-1 and Table 2.2.1-2 are identified in Attachments A and B, respectively.

3.a and 3.b) A report exists and concludes that the ASME Code Section III requirements are met for non-destructive examination of pressure boundary welds.

Inspections were performed in accordance with ASME Code Section III (1998 Edition, 2000 Addenda) to demonstrate that as-built pressure boundary welds in components identified in

Table 2.2.1-1 as ASME Code Section III meet ASME Code Section III requirements (i.e., no unacceptable indications).

The applicable non-destructive examinations (including liquid penetrant, magnetic particle, radiographic, and ultrasonic testing, as required by ASME Code Section III) of the components' pressure boundary welds are documented in the Non-destructive Examination Report(s), which support the completed respective ASME Section III N-5 Code Data Report(s) certified by the Authorized Nuclear Inspector, as listed in Attachment A.

Per ASME Code Section III, Subarticle NCA-8300, "Code Symbol Stamps," the N-5 Code Data Report(s) (References 1 through 11, 26) documents satisfactory completion of the required examination and testing of the item, which includes non-destructive examinations of pressure boundary welds. Satisfactory completion of the non-destructive examination of pressure boundary welds ensures that the pressure boundary welds in components identified in Table 2.2.1-1 as ASME Code Section III met ASME Code Section III requirements.

An inspection was performed in accordance with Reference 12 to demonstrate that the as-built pressure boundary welds in piping identified in Table 2.2.1-2 (Attachment B) as ASME Code Section III met ASME Code Section III requirements (i.e., no unacceptable indications). This portion of the ITAAC was completed when the piping identified in Table 2.2.1-2, which was encompassed within the respective piping system Code Symbol N-Stamp and the corresponding piping system Code N-5 Data Report Form(s) (References 1 through 11, 26), was completed. The non-destructive examinations (including visual inspection, liquid penetrant, magnetic particle, radiographic, and ultrasonic testing, as required by ASME Code Section III) of the piping pressure boundary welds were documented in the Non-destructive Examination Report(s) within the piping system's supporting data package, which support completion of the respective Code Stamping and Code N-5 Data Report(s). The completion of stamping the respective piping system along with the corresponding ASME Code N-5 Data Report Form(s) (certified by the Authorized Nuclear Inspector) ensure that the piping was constructed in accordance with the design specification(s) and the ASME Code Section III and that the satisfactory completion of the non-destructive examinations of piping pressure boundary welds for the pipe lines identified in Table 2.2.1-2 meet ASME Code Section III requirements and were documented in the Non-destructive Examination Report(s) within the supporting data packages.

4.a.i and 4.b) A report exists and concludes that the results of the pressure test of the components and piping identified in Tables 2.2.1-1 and 2.2.1-2 as ASME Code Section III conform with the requirements of the ASME Code Section III.

A hydrostatic/pressure test were performed by the manufacturer to demonstrate that the components identified in Table 2.2.1-1 (Attachment A) as ASME Code Section III retain their pressure boundary integrity at their design pressure. The completion of the N-5 Data Reports was governed by Reference 12.

This portion of the ITAAC was completed once each component identified in Table 2.2.1-1 had their individual Code Symbol N-Stamp and corresponding Code Data Report (References 1 through 11, 26) completed, and the components were installed into the respective Code Symbol N-Stamped piping system and documented on the corresponding N-5 Code Data Report(s) (References 1 through 11, 26). The hydrostatic/pressure testing results of the component's pressure boundary were documented in the Hydrostatic/Pressure Testing Report(s) within the

supporting component's data package, which support completion of the respective Code Stamping and Code Data Report(s).

The completion of stamping the individual components and the respective piping system along with the corresponding ASME Code Data Reports (certified by the Authorized Nuclear Inspector) ensures that the components were constructed in accordance with the Design Specifications and the ASME Code Section III and that the satisfactory completion of the hydrostatic/pressure testing of each component identified in Table 2.2.1-1 as ASME Code Section III were documented in the Hydrostatic/Pressure Testing Report(s) within the supporting data packages and meets ASME Code Section III requirements.

This ITAAC also verifies that the piping identified in Table 2.2.1-2 (Attachment B) fully meets all applicable ASME Code, Section III requirements and retains its pressure boundary integrity at its design pressure.

Hydrostatic/pressure tests were performed in accordance with procedures identified in References 1 through 11, 26 (as applicable) that complies with the ASME Code (1998 Edition, 2000 Addenda), Section III requirements to demonstrate that the ASME Code Section III piping identified in Table 2.2.1-2 retains its pressure boundary integrity at its design pressure.

The hydrostatic/pressure tests verified that there were no leaks at welds or piping, and that the pressure boundary integrity was retained at its design pressure. The hydrostatic/pressure testing results of the pipe lines are documented in the Hydrostatic/Pressure Testing Report(s). The Hydrostatic/Pressure Testing Report(s) supports completion of the ASME Section III N-5 Code Data Report(s) for the applicable piping system (i.e., CNS) (References 1 through 11, 26).

The applicable ASME Section III N-5 Code Data Report(s) (References 1 through 11, 26) identified in Attachments A and B documents that the results of the hydrostatic/pressure testing of the components and piping identified in Table 2.2.1-1 and Table 2.2.1-2, respectively, conform with the requirements of the ASME Code (1998 Edition, 2000 Addenda), Section III.

References 1 through 11, 26 and the supporting as-built design reports (References 14 through 25) provide the evidence that the ITAAC Acceptance Criteria requirements were met:

- The ASME Code Section III design reports exist for the as-built components and piping identified in Tables 2.2.1-1 and 2.2.1-2 as ASME Code Section III;
- A report exists and concludes that the ASME Code Section III requirements are met for non-destructive examination of pressure boundary welds;
- A report exists and concludes that the results of the pressure test of the components identified in Table 2.2.1-1 as ASME Code Section III conform with the requirements of the ASME Code Section III; and
- A report exists and concludes that the results of the pressure test of the piping identified in Table 2.2.1-2 as ASME Code Section III conform with the requirements of the ASME Code Section III.

This ITAAC also verified that a Preservice Inspection (PSI) examination for the applicable portions of the Passive Containment Cooling System (PCS) and Spent Fuel Pool Cooling System (SFS) components and piping identified in Tables 2.2.1-1 and 2.2.1-2 were completed (Reference 28) in accordance with the Unit 4 PSI program plan (Reference 27), and that the results of the PSI conforms with the requirements of the ASME B&PV Code. The remaining systems in the scope of this ITAAC [Compressed Air System (CAS), Component Cooling Water System (CCS), Demineralized Water Transfer and Storage System (DWS), Fuel Handling System (FHS), Fire Protection System (FPS), Containment Air Filtration System (VFS), Chilled Water System (VWS), Liquid Radwaste System (WLS), Primary Sampling System (PSS), and Containment System (CNS)] require no PSI examinations per the Unit 4 Preservice Inspection Program Plan (Reference 27).

References 1 through 11, 26, and 14 through 25 are available for NRC inspection as part of the Unit 4 ITAAC 2.2.01.02a Completion Package (Reference 29).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all ITAAC findings and associated corrective actions. This review, which included now consolidated ITAAC Indexes 92, 93, 94, 95 and 97 found no relevant ITAAC findings associated with this ITAAC. The ITAAC completion review is documented in the ITAAC Completion Package for ITAAC 2.2.01.02a (Reference 29) and is available for NRC review.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.2.01.02a was performed for VEGP Unit 4 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV4-CNS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Containment System Penetration Assemblies (CNS)"
2. SV4-CAS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Compressed and Instrument Air System (CAS)"
3. SV4-CCS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Component Cooling Water System (CCS)"
4. SV4-DWS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Demineralized Water Transfer and Storage System (DWS)"
5. SV4-FHS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Fuel Handling System (FHS)"

6. SV4-FPS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Fire Protection System (FPS)"
7. SV4-VFS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Containment Air Filtration System (VFS)"
8. SV4-VWS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Chilled Water System (VWS)"
9. SV4-WLS-MUR-002, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Liquid Radwaste System B (WLS-B)"
10. SV4-PSS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Primary Sampling System (PSS)"
11. SV4-SFS-MUR-001, Rev. 0, "AP1000 Vogtle Unit 4 ASME Section III System Code Data Report for the Spent Fuel Pool Cooling System (SFS)"
12. APP-GW-GAP-139, Rev. 9, "Westinghouse/Stone & Webster ASME Code Data Report As-Built Documentation Interface Procedure"
13. VEGP 3&4 Updated Final Safety Analysis Report, Rev. 11.2
 - a. Subsection 5.2.1 Compliance with Codes and Code Cases,
 - b. Table 3.9-11 – Piping Functional Capability – ASME Class 1, 2, and 3,
 - c. Subsection 3.6.4.1- Pipe Break Hazards Analysis
14. SV4-CNS-S3R-001, Rev. 0, "Vogtle Unit 4 Containment System Penetration Assemblies (CNS) ASME III As-Built Design Report"
15. SV4-CAS-S3R-001, Rev. 0, "Vogtle Unit 4 AP 1000 Compressed and Instrument Air (CAS) Piping System As-Built Design Report"
16. SV4-CCS-S3R-001, Rev. 0, "Vogtle Unit 4 Component Cooling Water System (CCS) ASME Section III As-Built Piping System Design Report"
17. SV4-DWS-S3R-001, Rev. 0, "Vogtle Unit 4 Demineralized Water Transfer and Storage System (DWS) ASME Section III As-Built Piping System Design Report"
18. SV4-FHS-S3R-001, Rev. 0, "Vogtle Unit 4 Fuel Handling System (FHS) As-Built ASME Section III Piping System Design Report"
19. SV4-FPS-S3R-001, Rev. 0, "Vogtle Unit 4 Fire Protection System (FPS) ASME Section III As-Built Piping System Design Report"
20. SV4-VFS-S3R-001, Rev. 0, "Vogtle Unit 4 Containment Air Filtration System (VFS) ASME Section III As-Built Piping System Design Report"
21. SV4-VWS-S3R-001, Rev. 0, "Vogtle Unit 4 Central Chilled Water System (VWS) ASME Section III As-Built Piping System Design Report"

22. SV4-WLS-S3R-002, Rev. 0, "Vogtle Unit 4 Liquid Radwaste System B (WLS-B) ASME Section III As-Built Piping System Design Report"
23. SV4-PSS-S3R-001, Rev. 0, "Vogtle Unit 4 Primary Sampling System (PSS) ASME Section III As-Built Piping System Design Report"
24. SV4-SFS-S3R-001, Rev. 0, "Vogtle Unit 4 Spent Fuel Pool Cooling System (SFS) ASME Section III As-Built Piping System Design Report"
25. SV4-MV50-S3R-100, Rev. 0, "Vogtle Unit 4 Containment Vessel ASME III As-Built Design Report"
26. SV4-MV50-VQQ-004P1P36 Rev. 0, "Quality Release & C of C SV4 CV Data package"
(Note: this document contains CBI's ASME N-1 Code Data Report for CV and supporting ASME Code Data Reports)
27. SV4-GW-GEI-100, Rev. 1, "AP1000 Preservice Inspection Program Plan for Vogtle Unit 4"
28. APE-10-00026, "Completion of Preservice Inspection for the Vogtle Unit 4 PCS and SFS Class 1, 2, and 3 Portions of Systems"
29. 2.2.01.02a-U4-CP-Rev0, ITAAC Completion Package

Attachment A				
SYSTEM: Containment System (CNS)				
Equipment Name *	Tag No. *	ASME Code Section III*	ASME III as-built Design Report	N-5 Report
Service Air Supply Outside Containment Isolation Valve	CAS-PL-V204	Yes	SV4-CAS-S3R-001	SV4-CAS-MUR-001
Service Air Supply Inside Containment Isolation Check Valve	CAS-PL-V205	Yes		
Instrument Air Supply Outside Containment Isolation Valve	CAS-PL-V014	Yes	SV4-CAS-S3R-001	SV4-CAS-MUR-001
Instrument Air Supply Inside Containment Isolation Check Valve	CAS-PL-V015	Yes		
Component Cooling Water System (CCS) Containment Isolation Motor-operated Valve (MOV) – Inlet Line Outside Reactor Containment (ORC)	CCS-PL-V200	Yes	SV4-CCS-S3R-001	SV4-CCS-MUR-001
CCS Containment Isolation Check Valve – Inlet Line Inside Reactor Containment (IRC)	CCS-PL-V201	Yes		
CCS Containment Isolation MOV – Outlet Line IRC	CCS-PL-V207	Yes	SV4-CCS-S3R-001	SV4-CCS-MUR-001
CCS Containment Isolation MOV – Outlet Line ORC	CCS-PL-V208	Yes		
CCS Containment Isolation Relief Valve – Outlet Line IRC	CCS-PL-V220	Yes		
Demineralized Water Supply Containment Isolation Valve ORC	DWS-PL-V244	Yes	SV4-DWS-S3R-001	SV4-DWS-MUR-001
Demineralized Water Supply Containment Isolation Check Valve IRC	DWS-PL-V245	Yes		
Fuel Transfer Tube	FHS-FT-01	Yes	SV4-FHS-S3R-001	SV4-MV50-VQQ-004P1P36

Attachment A				
SYSTEM: Containment System (CNS)				
Equipment Name *	Tag No. *	ASME Code Section III*	ASME III as-built Design Report	N-5 Report
Fuel Transfer Tube Isolation Valve	FHS-PL-V001	Yes	SV4-FHS-S3R-001	SV4-FHS-MUR-001
Fire Water Containment Supply Isolation Valve – Outside	FPS-PL-V050	Yes	SV4-FPS-S3R-001	SV4-FPS-MUR-001
Fire Water Containment Isolation Supply Check Valve – Inside	FPS-PL-V052	Yes		
Spent Fuel Pool Cooling System (SFS) Discharge Line Containment Isolation Check Valve – IRC	SFS-PL-V037	Yes	SV4-SFS-S3R-001	SV4-SFS-MUR-001
SFS Discharge Line Containment Isolation MOV – ORC	SFS-PL-V038	Yes		
SFS Suction Line Containment Isolation MOV – IRC	SFS-PL-V034	Yes	SV4-SFS-S3R-001	SV4-SFS-MUR-001
SFS Suction Line Containment Isolation MOV – ORC	SFS-PL-V035	Yes		
SFS Suction Line Containment Isolation Relief Valve – IRC	SFS-PL-V067	Yes		
Containment Purge Inlet Containment Isolation Valve – ORC	VFS-PL-V003	Yes	SV4-VFS-S3R-001	SV4-VFS-MUR-001
Containment Purge Inlet Containment Isolation Valve – IRC	VFS-PL-V004	Yes		
Integrated Leak Rate Testing Vent Discharge Containment Isolation Valve – ORC	VFS-PL-V008	Yes	SV4-VFS-S3R-001	SV4-VFS-MUR-001
Containment Purge Discharge Containment Isolation Valve – IRC	VFS-PL-V009	Yes		
Containment Purge Discharge Containment Isolation Valve – ORC	VFS-PL-V010	Yes		

Attachment A				
SYSTEM: Containment System (CNS)				
Equipment Name *	Tag No. *	ASME Code Section III*	ASME III as-built Design Report	N-5 Report
Vacuum Relief Containment Isolation A MOV – ORC	VFS-PL-V800A	Yes	SV4-VFS-S3R-001	SV4-VFS-MUR-001
Vacuum Relief Containment Isolation B MOV – ORC	VFS-PL-V800B	Yes		
Vacuum Relief Containment Isolation Check Valve A – IRC	VFS-PL-V803A	Yes		
Vacuum Relief Containment Isolation Check Valve B – IRC	VFS-PL-V803B	Yes		
Fan Coolers Return Containment Isolation Valve – IRC	VWS-PL-V082	Yes	SV4-VWS-S3R-001	SV4-VWS-MUR-001
Fan Coolers Return Containment Isolation Valve – ORC	VWS-PL-V086	Yes		
Fan Coolers Return Containment Isolation Relief Valve – IRC	VWS-PL-V080	Yes		
Fan Coolers Supply Containment Isolation Valve – ORC	VWS-PL-V058	Yes	SV4-VWS-S3R-001	SV4-VWS-MUR-001
Fan Coolers Supply Containment Isolation Check Valve – IRC	VWS-PL-V062	Yes		
Reactor Coolant Drain Tank (RCDT) Gas Outlet Containment Isolation Valve – IRC	WLS-PL-V067	Yes	SV4-WLS-S3R-002	SV4-WLS-MUR-002
RCDT Gas Outlet Containment Isolation Valve – ORC	WLS-PL-V068	Yes		
Sump Discharge Containment Isolation Valve – IRC	WLS-PL-V055	Yes	SV4-WLS-S3R-002	SV4-WLS-MUR-002
Sump Discharge Containment Isolation Valve – ORC	WLS-PL-V057	Yes		
Sump Discharge Containment Isolation Relief Valve – IRC	WLS-PL-V058	Yes		
Spare Penetration	CNS-PY-C01	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36

Attachment A				
SYSTEM: Containment System (CNS)				
Equipment Name *	Tag No. *	ASME Code Section III*	ASME III as-built Design Report	N-5 Report
Spare Penetration	CNS-PY-C02	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36
Spare Penetration	CNS-PY-C03	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36
Main Equipment Hatch	CNS-MY-Y01	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36
Maintenance Hatch	CNS-MY-Y02	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36
Upper Personnel Hatch	CNS-MY-Y03	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36
Lower Personnel Hatch	CNS-MY-Y04	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36
Containment Vessel	CNS-MV-01	Yes	SV4-MV50-S3R-001	SV4-MV50-VQQ-004P1P36
Electrical Penetration P03	DAS-EY-P03Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P01	ECS-EY-P01X	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P02	ECS-EY-P02X	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P06	ECS-EY-P06Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P07	ECS-EY-P07X	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P09	ECS-EY-P09W	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P10	ECS-EY-P10W	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P11	IDSA-EY-P11Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P12	IDSA-EY-P12Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P13	IDSA-EY-P13Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P14	IDSD-EY-P14Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P15	IDSD-EY-P15Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001

Attachment A				
SYSTEM: Containment System (CNS)				
Equipment Name *	Tag No. *	ASME Code Section III*	ASME III as-built Design Report	N-5 Report
Electrical Penetration P16	IDSD-EY-P16Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P17	ECS-EY-P17X	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P18	ECS-EY-P18X	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P19	ECS-EY-P19Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P20	ECS-EY-P20Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P21	EDS-EY-P21Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P22	ECS-EY-P22X	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P23	ECS-EY-P23X	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P24	ECS-EY-P24	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P25	ECS-EY-P25W	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P26	ECS-EY-P26W	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P27	IDSC-EY-P27Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P28	IDSC-EY-P28Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P29	IDSC-EY-P29Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P30	IDSB-EY-P30Z	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P31	IDSB-EY-P31Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Electrical Penetration P32	IDSB-EY-P32Y	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Instrument Penetration P46	PCS-PY-C01	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Instrument Penetration P47	PCS-PY-C02	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001

Attachment A				
SYSTEM: Containment System (CNS)				
Equipment Name *	Tag No. *	ASME Code Section III*	ASME III as-built Design Report	N-5 Report
Instrument Penetration P48	PCS-PY-C03	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001
Instrument Penetration P49	PCS-PY-C04	Yes	SV4-CNS-S3R-001	SV4-CNS-MUR-001

*Excerpt from COL Appendix C Table 2.2.1-1

Attachment B				
SYSTEM: Containment System (CNS)				
Line Name*	Line Number*	ASME Code Section III*	ASME III As-Built Design Report	N-5 Report
Instrument Air In	CAS-PL-L015*	Yes	SV4-CAS-S3R-001	SV4-CAS-MUR-001
Service Air In	CAS-PL-L204*	Yes	SV4-CAS-S3R-001	SV4-CAS-MUR-001
Component Cooling Water Supply to Containment	CCS-PL-L201	Yes	SV4-CCS-S3R-001	SV4-CCS-MUR-001
Component Cooling Water Outlet from Containment	CCS-PL-L207	Yes	SV4-CCS-S3R-001	SV4-CCS-MUR-001
Demineralized Water In	DWS-PL-L245*, L230	Yes	SV4-DWS-S3R-001	SV4-DWS-MUR-001
Fire Protection Supply to Containment	FPS-PL-L107	Yes	SV4-FPS-S3R-001	SV4-FPS-MUR-001
Containment Atmosphere Return Line	PSS-PL-L038*	Yes	SV4-PSS-S3R-001	SV4-PSS-MUR-001
Common Primary Sample Line A/B	PSS-PL-T005A/B	Yes	SV4-PSS-S3R-001	SV4-PSS-MUR-001
Containment Atmosphere Sample Line	PSS-PL-T031	Yes	SV4-PSS-S3R-001	SV4-PSS-MUR-001
Spent Fuel Pool Cooling Discharge	SFS-PL-L017	Yes	SV4-SFS-S3R-001	SV4-SFS-MUR-001
Spent Fuel Pool Cooling Suction from Containment	SFS-PL-L038	Yes	SV4-SFS-S3R-001	SV4-SFS-MUR-001
Containment Purge Inlet to Containment	VFS-PL-L104, L105, L106	Yes	SV4-VFS-S3R-001	SV4-FVS-MUR-001
Containment Purge Discharge from Containment	VFS-PL-L203, L204, L205, L800, L801A/B, L803, L804, L805A/B, L810A/B, L832	Yes	SV4-VFS-S3R-001	SV4-FVS-MUR-001
Fan Cooler Supply Line to Containment	VWS-PL-L032	Yes	SV4-VWS-S3R-001	SV4-FWS-MUR-001
Fan Cooler Return Line from Containment	VWS-PL-L055	Yes	SV4-VWS-S3R-001	SV4-FWS-MUR-001
RCDT Gas Out	WLS-PL-L022	Yes	SV4-WLS-S3R-001	SV4-WLS-MUR-001
Waste Sump Out	WLS-PL-L073	Yes	SV4-WLS-S3R-001	SV4-WLS-MUR-001

*Excerpts from COL Appendix C, Table 2.2.1-2

* These lines require that dynamic loads in its pipe stress analysis satisfy the requirements of ASME Code Section III (1989 Edition, 1989 Addenda) for girth fillet welds between piping and socket welded fittings, valves and flanges per VEGP UFSAR Section 5.2.1.1 (Reference 13)